## IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A semiconductor device, comprising:

a semiconductor layer which includes a first semiconductor region of a first conductivity type, a base region of a second conductivity type, and a plurality of second semiconductor regions of the first conductivity type;

a gate wiring which is formed on the semiconductor layer via a first insulating film;

a plurality of main electrodes which are electrically connected to the plurality of second semiconductor regions and which are insulated from the gate wiring, wherein the gate wiring is arranged between the main electrodes and upper surfaces of the main electrodes are higher than the highest portion of an upper surface of the gate wiring; and

a connecting plate which is directly connected onto the upper surfaces of the main electrodes.

- 2. (Withdrawn) The semiconductor device according to claim 1, wherein the uppermost layers of the plurality of main electrodes are a metal layer common to the plurality of main electrodes.
- 3. (Withdrawn) The semiconductor device according to claim 2, further comprising a second insulating film which is formed on the surface of the uppermost layer of the gate wiring.

Reply to Office Action of April 13, 2005

RCE filed: Herewith

4. (Original) The semiconductor device according to claim 1, wherein the main electrodes are formed of a plurality of metal layers, and a second insulating film extends between the plurality of metal layers.

- 5. (Original) The semiconductor device according to claim 1, wherein the plurality of main electrodes are formed apart from the gate wiring with a gap therebetween.
  - 6. (Currently Amended) A semiconductor device, comprising:

a semiconductor layer which includes a first semiconductor region of a first conductivity type, a base region of a second conductivity type, and a cell forming region in which a plurality of second semiconductor regions of the first conductivity type are formed;

a first gate electrode which is formed in the cell forming region and controls continuity between the first semiconductor region and the second semiconductor region;

a plurality of <u>at least one</u> main <u>electrodes</u> <u>electrode</u> which <u>are is</u> electrically connected to the plurality of <u>a</u> second semiconductor <u>region of the first conductivity type in the cell</u> <u>forming region regions respectively</u> and which <u>are is</u> formed <u>at predetermined intervals</u> in the cell forming region on the semiconductor layer;

a first gate electrode which is formed in the cell forming region and controls continuity between the first semiconductor region and the second semiconductor region;

a gate wiring which is formed on the semiconductor layer between the plurality of main electrodes via a first insulating film and which leads out the first gate electrode to an outer peripheral region of the cell forming region, wherein an upper surfaces surface of of the plurality of main electrodes electrode are is higher than the highest portion of an upper surface of the gate wiring; and

Reply to Office Action of April 13, 2005

RCE filed: Herewith

a first connecting plate which is directly connected onto the upper surfaces surface of the plurality of main electrodes electrode.

7. (Withdrawn) The semiconductor device according to claim 6, wherein the

uppermost layers of the plurality of main electrodes are a metal layer common to the plurality

of main electrodes.

8. (Withdrawn) The semiconductor device according to claim 7, further comprising a

second insulating film which is formed on the surface of the uppermost layer of the gate

wiring.

9. (Withdrawn) The semiconductor device according to claim 8,

wherein the plurality of main electrodes comprise a first main electrode layer and a

second main electrode layer which is formed on the first main electrode layer, and

wherein the second main electrode layer is formed on the second insulating film.

10. (Withdrawn) The semiconductor device according to claim 6, wherein the gate

wiring extends to the outer peripheral region of the cell forming region, and

the semiconductor device further comprises a second gate electrode which is formed

on the gate wiring extending to the outer peripheral region of the cell forming region.

11. (Withdrawn) The semiconductor device according to claim 10, wherein the

second gate electrode extends to the cell forming region.

Reply to Office Action of April 13, 2005

RCE filed: Herewith

12. (Withdrawn) The semiconductor device according to claim 11, further comprising

a third insulating film which is formed on the surface of the gate wiring extending to the

outer peripheral region,

wherein the third insulating film extends to the cell forming region, and the second

gate electrode is formed on the third insulating film in the cell forming region.

13. (Withdrawn) The semiconductor device according to claim 12, wherein the main

electrode comprises a first main electrode layer and a second main electrode layer which is

formed on the first main electrode layer, and

the third insulating film extends onto the first main electrode layer.

14. (Withdrawn) The semiconductor device according to claim 10, wherein the

second gate electrode is formed of the same material as the uppermost layer of the main

electrode.

15. (Withdrawn) The semiconductor device according to claim 10, wherein the outer

peripheral region of the cell forming region is formed at the outer periphery of a

semiconductor chip.

16. (Withdrawn) The semiconductor device according to claim 15, wherein the

second gate electrode is formed at the corner of the outer periphery of the semiconductor

chip.

Reply to Office Action of April 13, 2005

RCE filed: Herewith

17. (Withdrawn) The semiconductor device according to claim 6, wherein the

plurality of main electrodes are formed apart from the gate wiring with a gap therebetween.

18. (Withdrawn) The semiconductor device according to claim 10, further comprising

a second connecting plate which is directly connected to an upper surface of the second gate

electrode, wherein a lead frame is connected to the second connecting plate.

19. (Withdrawn) The semiconductor device according to claim 6, wherein the gate

wiring comprises a first metal layer which is formed on the semiconductor layer and a second

metal layer which is formed on the first metal layer.

20. (Withdrawn) The semiconductor device according to claim 19, wherein the

second metal layer contains aluminum (Al).

21. (Currently Amended) The semiconductor device according to claim 6, wherein the

upper surface surfaces of the plurality of main electrodes electrode and the first connecting

plate contain aluminum (Al).

22. (Original) The semiconductor device according to claim 6, wherein the first

connecting plate is connected to a lead frame.

23. (Currently Amended) The semiconductor device according to claim 6, wherein the

first connecting plate is connected to the plurality of main electrode electrodes by ultrasonic

bonding.

24. (Currently Amended) A semiconductor device, comprising:

a first semiconductor layer of a first conductivity type;

a second semiconductor layer of a second conductivity type which is formed on the

first semiconductor layer;

a first semiconductor region of the first conductivity type which is formed in a first

cell forming region in the second semiconductor layer;

a second semiconductor region of the first conductivity type which is formed in a

second cell forming region in the second semiconductor layer;

a first gate electrode which is formed in the first cell forming region and controls

continuity between the first semiconductor region and the first semiconductor layer;

a second gate electrode which is formed in the second cell forming region and

controls continuity between the second semiconductor region and the first semiconductor

layer;

a first main electrode which is electrically connected to the first semiconductor region

and formed in the first cell forming region on the second semiconductor layer;

a second main electrode which is electrically connected to the second semiconductor

region and formed in the second cell forming region on the second semiconductor layer;

a gate wiring which is formed on the second semiconductor layer between the first

main electrode and the second main electrode via a first insulating film and which leads out

the first and second gate electrodes to an outer peripheral region of the first and second cell

forming regions, wherein an upper surface of the first main electrode and an upper surface of

the second main electrode are higher than the highest portion of an upper surface of the gate

wiring; and

Reply to Office Action of April 13, 2005

RCE filed: Herewith

a first connecting plate which is directly connected onto the upper surfaces of the first

main electrode and the second main electrode.

25. (Withdrawn/Previously Presented) The semiconductor device according to claim

24, wherein the upper surface of the first main electrode and the upper surface of the second

main electrode are part of a common metal layer.

26. (Withdrawn/Previously Presented) The semiconductor device according to claim

25, further comprising a second insulating film which is formed on the upper surface of the

gate wiring.

27. (Withdrawn) The semiconductor device according to claim 26,

wherein the first main electrode comprises a first main electrode layer and a second

main electrode layer which is formed on the first main electrode layer, and

wherein the second main electrode layer is formed on the second insulating film.

28. (Withdrawn) The semiconductor device according to claim 25,

wherein the gate wiring extends to the outer peripheral region of the first and second

cell forming regions, and

the semiconductor device further comprises a third gate electrode which is formed on

the gate wiring extending to the outer peripheral region of the first and second cell forming

regions.

Reply to Office Action of April 13, 2005

RCE filed: Herewith

29. (Withdrawn) The semiconductor device according to claim 28, wherein the third

gate electrode extends to the first or second cell forming region.

30. (Withdrawn) The semiconductor device according to claim 29, further comprising

a third insulating film which is formed on the surface of the gate wiring extending to the

outer peripheral region,

wherein the third insulating film extends to the first or second cell forming region,

and the third gate electrode is formed on the third insulating film in the first or second cell

forming region.

31. (Withdrawn) The semiconductor device according to claim 30,

wherein the first main electrode comprises a first main electrode layer and a second

main electrode layer which is formed on the first main electrode layer, and

wherein the third insulating film extends onto the first main electrode layer.

32. (Withdrawn/Presently Presented) The semiconductor device according to claim

28, wherein the third gate electrode is formed of the same material as the upper surface of the

first main electrode.

33. (Withdrawn) The semiconductor device according to claim 28, wherein the outer

peripheral region of the first and the second cell forming region is formed at the outer

periphery of a semiconductor chip.

Reply to Office Action of April 13, 2005

RCE filed: Herewith

34. (Withdrawn) The semiconductor device according to claim 33, wherein the third

gate electrode is formed at the corner of the outer periphery of the semiconductor chip.

35. (Withdrawn) The semiconductor device according to claim 25, wherein the first

main electrode and the second main electrode are formed apart from the gate wiring with a

gap therebetween.

36. (Withdrawn) The semiconductor device according to claim 28, further comprising

a second connecting plate which is directly connected to an upper surface of the third gate

electrode, wherein a lead frame is connected to the second connecting plate.

37. (Withdrawn) The semiconductor device according to claim 24, wherein the gate

wiring comprises a first metal layer which is formed on the second semiconductor layer and a

second metal layer which is formed on the first metal layer.

38. (Withdrawn) The semiconductor device according to claim 37, wherein the

second metal layer contains aluminum (Al).

39. (Currently Amended) The semiconductor device according to claim 24, wherein

the uppermost layer upper surface of the first main electrode, the uppermost layer upper

surface of the second main electrode, and the first connecting plate contain aluminum (Al).

40. (Original) The semiconductor device according to claim 24, wherein the first

connecting plate is connected to a lead frame.

Reply to Office Action of April 13, 2005

RCE filed: Herewith

41. (Original) The semiconductor device according to claim 24, wherein the first

connecting plate is connected to the first main electrode and the second main electrode by

ultrasonic bonding.

42. (New) The semiconductor device according to claim 6, wherein the upper surface

of the main electrode is higher than the highest portion of the upper surface of the gate wiring

under the first connecting plate.

43. (New) The semiconductor device according to claim 42, wherein the at least on

main electrode includes a first main electrode and a second main electrode and the gate

wiring is one of gate wiring layers and the gate wiring is the uppermost layer of the gate

wiring layers under an area in which the first connecting gate is connected to the first main

electrode and the second main electrode.

44. (New) The semiconductor device according to claim 6, wherein the gate wiring is

formed of aluminum (Al)